EN

Advanced Weather Station with USB upload Model: RMS600 / RM600A

USER MANUAL

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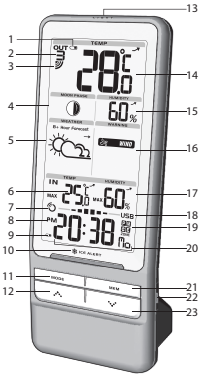
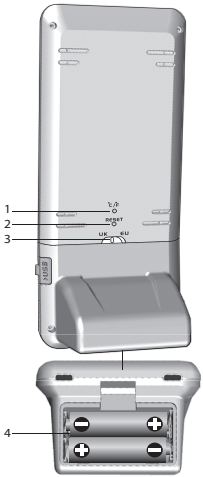
OVERVIEW

FRONT VIEW (FIG 1)



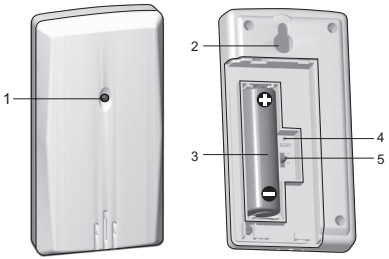
1. Outdoor remote sensor battery low
2. Indicate outdoor channel selected
3. Remote sensor reception icon
4. Moon Phase
5. Next 12 hour weather forecast / pressure trend
6. Indoor temperature; temperature trend
7. Radio controlled clock reception icon
8. AM : Indicate AM / PM (RMS600A only)
9. Main unit battery low
10. Ice alert LED indicator
11. **MODE:** Change settings / display
12. increase value of the setting; enable radio control clock; select from 3 outdoor channels; scroll through moon phase
13. **LIGHT:** Activate backlight
14. Outdoor temperature; temperature trend
15. Outdoor humidity and trend
16. Weather Warning Message (HEAT, WIND, STORM, FROST, FOG)
17. Indoor humidity and trend
18. USB status indicator
19. Time Zone indicator (RMS600A only): (P) Pacific, (M) Mountain, (C) Central , (E) Eastern
20. Clock / calendar display
21. **MEM:** Change temperature / humidity display (Current, Max / Min); clear Max / Min record
22. USB socket
23. decrease value of the setting; disable radio control clock; scroll through moon phase

BACK VIEW (FIG 2)



1. **°C / °F**: Select temperature unit
2. **RESET**: Reset unit to default settings
3. **EU / UK**: Select the nearest radio signal (RMS600 only)
4. Battery compartment

REMOTE SENSOR (FIG 3)



1. LED status indicator
2. Wall mount hole
3. Battery compartment
4. **RESET:** Reset unit to default settings
5. **CHANNEL** switch

GETTING STARTED

REMOTE SENSOR SET UP

The remote sensor can collect data from up to 3 channels.

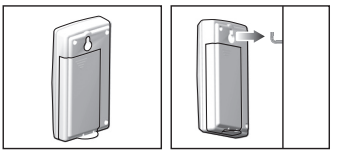
To set up the remote sensor:

1. Slide open the battery door.
2. Slide channel switch to select a channel (1, 2, 3). Ensure you use a different channel for each sensor.

3. Insert the battery, matching the polarities (+ / -). See FIG 3.
4. Press **RESET** after each battery change.
5. Close the battery door.

NOTE Install battery in the remote sensor before the main unit.

6. Initiate a sensor search on the main unit to start receiving temperature / humidity data from the sensor.



7. Secure the sensor in the desired location using the wall mount hole.

NOTE Use alkaline batteries for longer usage and consumer grade lithium batteries in temperatures below freezing.

MAIN UNIT SET UP

1. Remove the battery compartment.
2. Insert the batteries, matching the polarities (see FIG 2).
3. Press **RESET** after each battery change.

NOTE Batteries should not be exposed to excessive heat such as sunshine or fire.

LOCATION	MEANING
Clock / alarm area	Main unit batteries low
Outdoor sensor area	Sensor batteries low

DATA TRANSMISSION

To search for a sensor:

Press and hold **+ MODE**.

The remote sensor reception icon will show the following status:

ICON	DESCRIPTION
OUT 2 → OUT 2	Main unit is searching for sensor(s).
OUT 2 → OUT 2 → OUT 2 → OUT 2	A channel has been found.
OUT 2	The sensor cannot be found.

TIP The transmission range may vary depending on many factors. You may need to experiment with various locations to get the best results.

CLOCK

CLOCK RECEPTION

This product is designed to synchronize its clock automatically with a clock signal.

RMS600:

Slide **EU / UK** to select the signal received.

- EU: DCF-77 signal: within 1500 km (932 miles) of Frankfurt, Germany.
- UK: MSF-60 signal: within 1500 km (932 miles) of Anthorn, England.

RMS600A:

WWVB-60 signal: within 3200 km (2000 miles) of Fort Collins, Colorado.

To enable / disable clock signal reception:

Press and hold to enable or to disable clock signal reception.

NOTE Reception takes 2-10 minutes. If the signal is weak, it can take up to 24 hours to get a valid signal. If signal reception is unsuccessful, place your unit next to a window, press and hold to force another signal search.

Clock signal reception indicator:

STRONG SIGNAL	WEAK / NO SIGNAL

MANUALLY SET CLOCK

To set the clock manually, disable the clock signal reception first.

1. Press and hold **MODE**.
2. Press or to change the settings. The settings order is: time zone, 12/24 hr format, hour, minute, year, calendar mode (month – day / day – month), month, day and language.
3. Press **MODE** to confirm.

RMS600: Time zone sets the clock +/- 23 hours from the received clock signal time.

RMS600A: Select the time zone: (P) Pacific, (M) Mountain, (C) Central, or (E) Eastern.

NOTE The language options are English (E), German (D), French (F), Italian (I), Spanish (S) and Russian (R).

To select clock display mode:

Press **MODE** to toggle between clock with seconds, clock with weekday.

WEATHER FORECAST

This product forecasts the next 12 to 24 hours of weather within a 30-50 km (19-31 mile) radius with a 75% accuracy.

ICON	DESCRIPTION
	Sunny
	Partially Cloudy
	Cloudy
	Rainy
	Snowy

WEATHER WARNING MESSAGE

The weather warning messages provide indications of probable circumstances that may arise based on the weather station's calculations. The meanings for the warnings are illustrated below:

Warning	Meaning
	Risk of high temperatures
	Risk of fast wind speeds
	Risk of a storm
	Risk of foggy conditions
	Risk of icy conditions

TEMPERATURE AND HUMIDITY

To toggle temperature unit:

Press **°C / °F**.

To auto-scan channels:

Press and hold **+ MEM** to display each channel's recorded data sequentially.

To select channel, press .

To toggle between current, minimum and maximum temperature/ humidity record of a selected channel:

Press **MEM**.

To clear the temperature / humidity record displayed:

Press and hold **MEM**.

ICE ALERT (CHANNEL 1 ONLY)

If the temperature falls between 3°C to -2 °C (37°F to 28°F), the green ice alert LED indicator will flash continuously, and will stop flashing once the temperature is out of this range.

WEATHER TRENDS

The temperature, humidity and pressure trend icons are based on recent sensor readings.

RISE	STEADY	FALL

MOON PHASE

In moon phase mode, press or to scan through the years (2001 to 2099).

	New Moon		Full Moon
	Waxing Crescent		Waning Gibbous
	First quarter		Last quarter
	Waxing Gibbous		Waning Crescent

BACKLIGHT

Press **LIGHT** to activate LED backlight for 5 seconds.

RESET

Press **RESET** to return to the default settings.

SET UP SOFTWARE (FIRST TIME USE)

The real-time indoor/outdoor temperature and humidity received by the main unit can be uploaded to the PC software.

PC system requirements

The minimum system requirements for use of the software is:

- Operating system: Microsoft Windows XP SP2 or Vista
- Processor: Pentium 4 or above
- RAM: Min. 512 MB
- Hard disk free space: Min. 512 MB
- Screen area: 1024 x 768 pixels (recommended)

ADDITIONAL STEP FOR WINDOWS VISTA USERS ONLY

* For Windows XP users, please go straight to **Install Software** section.

IMPORTANT You must follow the below instructions **before** installing software.

Determine status of UAC (User Account Control):

1. Click on Start.
2. In context menu, scroll to Settings and select **Control Panel**.
3. Double click the **User Account (and Family Safety)**.
4. Double click on **Change your Windows password**. (If you chose the **Control Panel classic** link from left hand column in step 2, skip this step).
5. In **Turn User Account On or Off** screen, identify if UAC option is enabled / on (ticked) or disabled / off (un-ticked).

NOTE We highly recommend disabling this option for seamless operation of the Weather OS software.

To Turn User Account Off:

6. Deselect the UAC option by un-ticking the box (click once).
7. Click **OK**.
8. In **You must restart your computer** dialogue box, click **Restart now**.

INSTALL SOFTWARE

1. Insert provided CD into disk drive.
2. Run CD software.
3. **Setup Wizard** dialogue box will appear and guide you through the installation process.
   a. If you have Windows Vista and User Account Control is ON (ticked):
      i. In **Select Installation Folder** dialogue box, next to **Folder** text box (C:\Program Files\Oregon Scientific\Weather OS), click **Browse**.
      ii. To select a new location to save the program, select **C:\Users\admin**. {Or click **C:** Drive, subfolder **Users**, subfolder **admin**.}
      iii. Click on (Create New Folder) icon.
      iv. Type **OS Weather** and click **OK**.
      v. In **User Account Control** dialogue box, click **Allow**.
      vi. Continue with installation process.
4. During installation, **Microsoft Visual C++ Redistributable Setup** dialogue box may appear. Select **Repair** and click **Next**.
5. Once setup has been successfully completed, click **Finish**, then **Close**.
6. After successful installation, double click on desktop shortcut.
7. Click **Display** in **Oregon Weather Station** dialogue box.

DISABLE SLEEP MODE

To allow for continuous data updates, ensure Sleep Mode on computer is disabled.

TO DISABLE SLEEP MODE ON COMPUTER (WINDOWS XP)

1. Right click on **Desktop**.
2. In context menu, click on **Properties**.

3. Click on **Screen Saver** tab in the **Display Properties** dialogue box.
4. Click on **Power** located at the bottom half of dialogue box.
5. In new dialogue box **Power Options Properties**, click on **Power Schemes** tab.
6. In **Settings for Timers off (Presentation) power scheme** section, under **System Standby** option, choose **Never** in drop-down list.
7. Click **Apply** and then click **OK**.
8. Previous window will return. Click **OK** to confirm and exit.

TO DISABLE SLEEP MODE ON COMPUTER (WINDOWS VISTA)

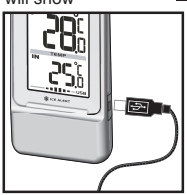
1. Right click on **Desktop**.
2. In context menu, click on **Personalize**.
3. Click on **Screen Saver** link in the **Personalize appearance and sounds** dialogue box.
4. Click on **Change Power Settings** located at the bottom half of window.
5. Select **High Performance** and click **Change plan settings** link.
6. Click **Change advanced power settings** link.
7. Click on ⊞ next to **Sleep**, in sub menu, click on ⊞ next to **Hibernate after**.
8. Click **Setting** link and select **Never** in drop-down list.
9. Click **Apply** and then **OK**.

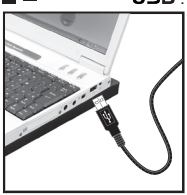
UPLOAD DATA TO PC SOFTWARE

You can choose to upload the temperature and humidity data by connecting the main unit to your PC via the USB cable.

NOTE The USB is only used for uploading temperature and humidity data. It cannot be used for charging battery power.

1. After successful installation, double click on desktop shortcut.
2. Click Display in Oregon Weather Station dialogue box.
3. You will be prompted to select model number. Please select your model in the drop-down list and refer to the image next to your selection to confirm it is the correct model.
4. Plug one end of the USB cable into the main unit's USB port and the other end into the PC's USB port. Main unit will show "USB".





5. Uploading will start immediately. If USB cable is not properly plugged, main unit will show "USB".

To learn more about how to utilize the functions (such as 5-day weather forecast of world cities) available on the software, please refer to PC Software Manual, downloadable from the software webpage.

IMPORTANT You must first successfully install software to access the PC Software Manual.

1. In the PC software homepage, click on **MENU** located at the top right hand corner.
2. Select **HELP** from drop-down list. This will redirect you to a new webpage. Click on **PC Software Manual**.

NOTE This product should be supplied by an identical USB port complying with the requirements of Limited Power Source.

SOFTWARE UPDATES

As we continually strive for improvement, the software will be updated from time to time.

If there is a new version, the moment PC is connected to the internet, a dialogue box informing of available software will appear.

1. Click **OK**.
2. After a few moments, **File Download - Security Warning** dialogue box will appear. Click Run.
3. In the **Internet Explorer - Security Warning**, click **Run**.
4. Follow steps 3 - 7 from **Install Software** section.

SPECIFICATIONS

TYPE	DESCRIPTION
MAIN UNIT	
L x W x H	82 x 60 x 210 mm (3.23 x 2.36 x 8.27 in)
Weight	260 g (9.17 oz) without battery
Signal frequency	433 MHz
Temperature range	-5°C to 50°C (23°F to 122°F)
Temperature resolution	0.1°C (0.2°F)
Ice alert temperature range	3°C to -2°C (37°F to 28°F)
Humidity range	25% - 95%
Humidity resolution	1%
Power	3 x UM-3 (AA) 1.5 V batteries
REMOTE UNIT (THGN132N)	
L x W x H	50 x 22 x 96 mm (1.9 x 0.9 x 3.8 in)
Weight	62 g (2.2 ounces) without battery
Signal frequency	433 MHz
Number of channel	3
Transmission range	30 m (98 ft) unobstructed
Temperature range	-20°C to 60°C (-4°F to 140°F)
Humidity range	25% - 95%
Humidity resolution	1%
Power	1 x UM-3 (AA) 1.5 V battery

PRECAUTIONS

- Do not subject the unit to excessive force, shock, dust, temperature or humidity.

- Do not cover the ventilation holes with any items such as newspapers, curtains etc.
- Do not immerse the unit in water. If you spill liquid over it, dry it immediately with a soft, lint-free cloth.
- Do not clean the unit with abrasive or corrosive materials.
- Do not tamper with the unit's internal components. This invalidates the warranty.
- Only use fresh batteries. Do not mix new and old batteries.
- Images shown in this manual may differ from the actual display.
- When disposing of this product, ensure it is collected separately for special treatment and not as normal household waste.
- Placement of this product on certain types of wood may result in damage to its finish for which Oregon Scientific will not be responsible. Consult the furniture manufacturer's care instructions for information.
- The contents of this manual may not be reproduced without the permission of the manufacturer.
- Do not dispose old batteries as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.
- Please note that some units are equipped with a battery safety strip. Remove the strip from the battery compartment before first use.

NOTE The technical specifications for this product and the contents of the user manual are subject to change without notice.

NOTE Features and accessories will not be available in all countries. For more information, please contact your local retailer.

ABOUT OREGON SCIENTIFIC

Visit our website (www.oregonscientific.com) to learn more about Oregon Scientific products. If you're in the US and would like to contact our Customer Care department directly, please visit: www2.oregonscientific.com/service/support.asp

For international inquiries, please visit:

www2.oregonscientific.com/about/international.asp

EU-DECLARATION OF CONFORMITY

Hereby, Oregon Scientific, declares that this Advanced Weather Station with USB upload (model: RMS600 / RMS600A) is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the signed and dated Declaration of Conformity is available on request via our Oregon Scientific Customer Service.

COUNTRIES RTTE APPROVED COMPLIED
All EU countries, Switzerland CH
and Norway N

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

WARNING Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

DECLARATION OF CONFORMITY

The following information is not to be used as contact for support or sales. Please visit our website at www2.oregonscientific.com/service for all enquiries.

We

Name:	Oregon Scientific, Inc.
Address:	19861 SW 95th Ave.,Tualatin, Oregon 97062 USA
Telephone No.:	1-800-853-8883

declare that the product

Product No.:	RMS600 / RMS600A
Product Name:	Advanced Weather Station with USB upload
Manufacturer:	IDT Technology Limited
Address:	Block C, 9/F, Kaiser Estate, Phase 1,41 Man Yue St., Hung Hom, Kowloon, Hong Kong

is in conformity with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference. 2) This device must accept any interference received, including interference that may cause undesired operation.